

CHEMICAL PHYSICS LETTERS

Chemical Physics Letters 224 (1994) 604-613

## Author index to volume 224

Abildgaard, J., see P.E. Hansen	224 (1994) 275
Achiwa, N., see K. Mukai	224 (1994) 569
Adamo, C., see V. Barone	224 (1994) 432
Alkorta, I., M. Bachs and J.J. Perez, The induced polarization of the water molecule	224 (1994) 160
Allman, S.L., see Y.F. Zhu	224 (1994) 7
Alt, C., W.G. Scherzer, H.L. Selzle and E.W. Schlag, Can molecular ZEKE states be gener-	
ated by Rydberg electron pickup?	224 (1994) 366
Amster, I.J., see A.M. Rao	224 (1994) 106
Anderson, M.A. and L.M. Ziurys, Metal hyperfine structure in magnesium chloride. The	
millimeter-wave spectrum of 25MgCl and 26MgCl	224 (1994) 381
Ando, Y., see Y. Tai	224 (1994) 118
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The bond length of Ni2	224 (1994) 525
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The bond strength of Ni2+	224 (1994) 529
Austin, S.J., see P.W. Fowler	224 (1994) 123
Bachs, M., see I. Alkorta	224 (1994) 160
Bagus, P.S. and F. Illas, Shifts in adsorbate vibrational frequencies due to internal electric	:
fields	224 (1994) 576
Balasubramanian, K., Laplacian polynomials of fullerenes (C20-C40)	224 (1994) 325
Balasubramanian, K., see D. Dai	224 (1994) 425
Barone, V. and C. Adamo, Theoretical study of direct and water-assisted isomerization of formaldehyde radical cation. A comparison between density functional and post-Har-	
tree-Fock approaches	224 (1994) 432
Baumann, W., Z. Nagy, H. Reis and N. Detzer, Electric field-induced anisotropy spectra	224 (1994) 517
	224 (1994) 525, 529
Berden, G. and W.L. Meerts, Rotationally resolved spectroscopy on the 1-cyanonaphthal-	
ene/triethylamine van der Waals complex in a molecular beam	224 (1994) 405
Bieske, E.J., see A.A. Friedmann	224 (1994) 16
Blank, D.A., see S. North	224 (1994) 38
Böhme, M. and G. Frenking, The Cu-C bond dissociation energy of CuCH <sub>3</sub> . A dramatic	
failure of the QCISD(T) method	224 (1994) 195
Böhme, M., see A. Höllwarth	224 (1994) 603
Brown, S.P. and S. Wimperis, NMR measurement of spin-3/2 transverse relaxation in an	
inhomogeneous B <sub>1</sub> field	224 (1994) 508
Broyer, M., see M. Pellarin	224 (1994) 338
• • • • • • • • • • • • • • • • • • • •	224 (1994) 525, 529
Burgers, P.C., G.A. McGibbon and J.K. Terlouw, Dihydroxycarbene HO-C-OH: its for-	
mation in the gas-phase by electron transfer to its radical cation	224 (1994) 539



CHEMICAL PHYSICS LETTERS

Chemical Physics Letters 224 (1994) 604-613

## Author index to volume 224

Abildgaard, J., see P.E. Hansen	224 (1994) 275
Achiwa, N., see K. Mukai	224 (1994) 569
Adamo, C., see V. Barone	224 (1994) 432
Alkorta, I., M. Bachs and J.J. Perez, The induced polarization of the water molecule	224 (1994) 160
Allman, S.L., see Y.F. Zhu	224 (1994) 7
Alt, C., W.G. Scherzer, H.L. Selzle and E.W. Schlag, Can molecular ZEKE states be gener-	
ated by Rydberg electron pickup?	224 (1994) 366
Amster, I.J., see A.M. Rao	224 (1994) 106
Anderson, M.A. and L.M. Ziurys, Metal hyperfine structure in magnesium chloride. The	
millimeter-wave spectrum of 25MgCl and 26MgCl	224 (1994) 381
Ando, Y., see Y. Tai	224 (1994) 118
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The bond length of Ni2	224 (1994) 525
Asher, R.L., D. Bellert, T. Buthelezi and P.J. Brucat, The bond strength of Ni2+	224 (1994) 529
Austin, S.J., see P.W. Fowler	224 (1994) 123
Bachs, M., see I. Alkorta	224 (1994) 160
Bagus, P.S. and F. Illas, Shifts in adsorbate vibrational frequencies due to internal electric	:
fields	224 (1994) 576
Balasubramanian, K., Laplacian polynomials of fullerenes (C20-C40)	224 (1994) 325
Balasubramanian, K., see D. Dai	224 (1994) 425
Barone, V. and C. Adamo, Theoretical study of direct and water-assisted isomerization of formaldehyde radical cation. A comparison between density functional and post-Har-	
tree-Fock approaches	224 (1994) 432
Baumann, W., Z. Nagy, H. Reis and N. Detzer, Electric field-induced anisotropy spectra	224 (1994) 517
	224 (1994) 525, 529
Berden, G. and W.L. Meerts, Rotationally resolved spectroscopy on the 1-cyanonaphthal-	
ene/triethylamine van der Waals complex in a molecular beam	224 (1994) 405
Bieske, E.J., see A.A. Friedmann	224 (1994) 16
Blank, D.A., see S. North	224 (1994) 38
Böhme, M. and G. Frenking, The Cu-C bond dissociation energy of CuCH <sub>3</sub> . A dramatic	
failure of the QCISD(T) method	224 (1994) 195
Böhme, M., see A. Höllwarth	224 (1994) 603
Brown, S.P. and S. Wimperis, NMR measurement of spin-3/2 transverse relaxation in an	
inhomogeneous B <sub>1</sub> field	224 (1994) 508
Broyer, M., see M. Pellarin	224 (1994) 338
• • • • • • • • • • • • • • • • • • • •	224 (1994) 525, 529
Burgers, P.C., G.A. McGibbon and J.K. Terlouw, Dihydroxycarbene HO-C-OH: its for-	
mation in the gas-phase by electron transfer to its radical cation	224 (1994) 539

Chachisvilis, M., T. Pullerits, M.R. Jones, C.N. Hunter and V. Sundström, Vibrational dynamics in the light-harvesting complexes of the photosynthetic bacterium <i>Rhodobacter</i>	
sphaeroides	224 (1994) 345
Chachisvilis, M., see T. Pullerits	224 (1994) 355
Chafik El Idrissi, M., A. Roney, C. Frigon and M. Larzillière, Measurements of total ki-	224 (1994) 333
netic energy released to the $n=2$ dissociation limit of $H_2$ . Evidence of the dissociation	*** **** ***
of very high vibrational Rydberg states of H <sub>2</sub> by doubly excited states	224 (1994) 260
Challacombe, M., see J. Cioslowski	224 (1994) 175
Challacombe, M. and J. Cioslowski, A basis set convergence study of conventional and HSF	
electron densities in the Li <sub>2</sub> molecule	224 (1994) 179
Che, D., D.B. Shapiro, R.M. Esquerra and D.S. Kliger, Ultrasensitive time-resolved linear	
dichroism spectral measurements using near-crossed linear polarizers	224 (1994) 145
Chen, C., see Q. Li	224 (1994) 225
Chen, C.H., see Y.F. Zhu	224 (1994) 7
Chen, G., see W. Xu	224 (1994) 56
Chen, H.M. and Z.A. Schelly, Experimental determination of the effect of polarization of the heating laser pulse on the characteristic decay time constant and focal length of ther-	
mal lenses, and on the thermal diffusivities in pure liquids	224 (1994) 61
Chen, H.M. and Z.A. Schelly, Dynamics of laser-induced transient light scattering in pure	
liquids and reverse micelles	224 (1994) 69
Chen, LW., see N.F. Zhou	224 (1994) 595
Cioslowski, J. and M. Challacombe, Nuclear cusps in the HSF electron density	224 (1994) 175
Cioslowski, J., see M. Challacombe	224 (1994) 179
Cornett, D.S., see A.M. Rao	224 (1994) 106
Cottancin, E., see M. Pellarin	224 (1994) 338
Ćwiok, T., see K.T. Tang	224 (1994) 476
Daehne, L., A. Endriss and J. Ihringer, Anisotropic distortion of J-aggregates at decreasing	********
temperature	224 (1994) 91
Dai, D. and K. Balasubramanian, Spectroscopic constants and potential energy curves of	224 (1004) 425
SnF	224 (1994) 425
Dapprich, S., see A. Höllwarth	224 (1994) 603
De Boeij, W.P., M.S. Pshenichnikov, K. Duppen and D.A. Wiersma, Ultrafast optical dy-	*******
namics of HITCI in ethylene glycol. A non-Markovian Brownian oscillator description	224 (1994) 243
De Santis, A., A. Gregori and D. Rocca, Orientational correlations and corresponding state	*******
principle in liquids of linear molecules	224 (1994) 283
Detzer, N., see W. Baumann	224 (1994) 517
Dias, J.R., see P.W. Fowler	224 (1994) 123
Drescher, W., S. Kendler, E. Zingher and Y. Haas, Exciplex emission from styrene. Ali-	224 (1004) 227
phatic amine adducts in a supersonic jet	224 (1994) 391
Duncan, M.A., see A.M. Rao	224 (1994) 106
Dunne, L.J., P. Katbamna, M. Lukhezo and B.G. Reuben, Screened interactions in con- densed media and statistical treatment of pH-dependent monolayer phase behaviour of	
long chain aliphatic amino acids	224 (1994) 581
Dunning, O.J., see P.W. Fowler	224 (1994) 123

Duppen, K., see W.P. de Boeij	224 (1994) 243
Dupuis, V., see M. Pellarin	224 (1994) 338
Duyvejonck, E., see L.G. Vanquickenborne	224 (1994) 207
Dyall, K.G., Second-order Møller-Plesset perturbation theory for molecular Dirac-Har-	
tree-Fock wavefunctions. Theory for up to two open-shell electrons	224 (1994) 186
Ehlers, A.W., see A. Höllwarth	224 (1994) 603
Eklund, P.C., see A.M. Rao	224 (1994) 106
Endriss, A., see L. Daehne	224 (1994) 91
Esquerra, R.M., see D. Che	224 (1994) 145
Fagerström, K., A. Lund, G. Mahmoud, J.T. Jodkowski and E. Ratajczak, Pressure and	
temperature dependence of the gas-phase reaction between methyl and hydroxyl radicals Farztdinov, V.M., Yu.E. Lozovik and V.S. Letokhov, Saturation of the fullerite photodar-	224 (1994) 43
kening at high laser energy fluences	224 (1994) 493
Felker, P.M., see M.W. Schaeffer	224 (1994) 544
Ferrando, R., R. Spadacini and G.E. Tommei, Separation of time scales in rate problems	22. (,
at very low barriers	224 (1994) 308
Fowler, P.W., S.J. Austin, O.J. Dunning and J.R. Dias, Symmetry properties of the leap-	(1771) 500
frog transformation for fullerenes and benzenoids	224 (1994) 123
Frenking, G., see M. Böhme	224 (1994) 195
Frenking, G., see A. Höllwarth	224 (1994) 603
Friedmann, A.A., S. Nizkorodov, E.J. Bieske and J.P. Maier, Discrete UV absorption by	
$N_3^+-(N_2)_n$ clusters	224 (1994) 16
Friedrich, B., see A. Slenczka	224 (1994) 238
Frigon, C., see M. Chafik El Idrissi	224 (1994) 260
Gann, S.L., see A.C. Kolbert	224 (1994) 86
Garrett, W.R., see Y.F. Zhu	224 (1994) 7
Glasbeek, M., see H. Zhang	224 (1994) 551
Gobbi, A., see A. Höllwarth	224 (1994) 603
Gotschy, B., see H. Klos	224 (1994) 333
Grayson, M. and W.T. Raynes, Electric field effects on proton magnetic shielding in some	
binary hydrides (Chem. Phys. Letters 218 (1994) 270). Erratum	224 (1994) 602
Gregori, A., see A. De Santis	224 (1994) 283
Gu, W., see M. Wu	224 (1994) 557
Guo, Y., T.D. Sewell and D.L. Thompson, A full-dimensional semiclassical calculation of	*********
vibrational mode selectivity in the tunneling splitting in a planar model of malonaldehyde	224 (1994) 470
Gutman, D., see J.A. Seetula	224 (1994) 533
Haas, Y., see W. Drescher	224 (1994) 391
Hamabe, H., see H. Sekiya	224 (1994) 563
Hansen, A.E., see P.E. Hansen	224 (1994) 275
Hansen, P.E., J. Abildgaard and A.E. Hansen, Ab initio calculations of external charge effects on the isotropic <sup>13</sup> C, <sup>15</sup> N and <sup>17</sup> O nuclear shieldings of amides	224 (1004) 224
Herschbach, D., see A. Slenczka	224 (1994) 275
Hirayama, S., see K.K. Pandey	224 (1994) 238
iliayama, 5., see K.K. Fangey	224 (1994) 417

Hirota, N., see M. Terazima	224 (1994) 95
Hirsch, A., see H. Klos	224 (1994) 333
Hoentsch, J., see A. Pöppl	224 (1994) 233
Höfer, T., P. Kruck and W. Kaiser, Dynamics of photochemical reactions studied by degen-	(,
erate four-wave mixing	224 (1994) 411
Höllwarth, A., M. Böhme, S. Dapprich, A.W. Ehlers, A. Gobbi, V. Jonas, K.F. Köhler,	(,
R. Stegmann, A. Veldkamp and G. Frenking, A set of d-polarization functions for pseudo-potential basis sets of the main group elements Al-Bi and f-type polarization functions	
for Zn, Cd, Hg (Chem. Phys. Letters 208 (1993) 237). Erratum	224 (1994) 603
Hoyer, P. and H. Weller, Particle size and pH effects on the sensitization of nanoporous	
titanium dioxide electrodes by Q-sized silver sulfide	224 (1994) 75
Hunter, C.N., see M. Chachisvilis	224 (1994) 345
Hunter, C.N., see T. Pullerits	224 (1994) 355
Ihringer, J., see L. Dachne	224 (1994) 91
Illas, F., see P.S. Bagus	224 (1994) 576
Inoue, K., see K. Mukai	224 (1994) 569
Inukai, K., see Y. Tai	224 (1994) 118
lu, KK., see X. Liu	224 (1994) 31
Iwaizumi, M., see S. Ohkoshi	224 (1994) 313
Iwata, S., see R. Kishi	224 (1994) 200
Jamali, J.B., see K. Mukai	224 (1994) 569
Jeziorski, B., see K.T. Tang	224 (1994) 476
Jiang, JS., see N.F. Zhou	224 (1994) 595
Jiang, Y., Kinetics of coagulation process in an idealized fluid	224 (1994) 305
Jodkowski, J.T., see K. Fagerström	224 (1994) 43
Jonas, V., see A. Höllwarth	224 (1994) 603
Jones, M.R., see M. Chachisvilis	224 (1994) 345
Jones, M.R., see T. Pullerits	224 (1994) 355
Jonkman, A.M., see H. Zhang	224 (1994) 551
Kaiser, W., see T. Höfer	224 (1994) 411
Kalinovski, I.J., see J.A. Seetula	224 (1994) 533
Kalogeros, G.C., P.T.T. Wong and R.B. Philp, Comparison of responses to high pressure of albumin and fibrinogen in the presence and absence of calcium. A Fourier transform	
infrared spectroscopic study	224 (1994) 399
Karelson, M. and M.C. Zerner, A comparative semi-empirical study of pyrrole and phos-	
phole oligomers	224 (1994) 213
Kasai, T., see H. Takahashi	224 (1994) 445
Katbamna, P., see L.J. Dunne	224 (1994) 581
Kaya, K., see R. Kishi	224 (1994) 200
Kendler, S., see W. Drescher	224 (1994) 391
Kiefer, J.H., S.S. Kumaran and P.S. Mudipalli, The mutual isomerization of allene and	
propyne	224 (1994) 51
Kim, H.S., T.D. Wood, A.G. Marshall and J. Lee, Production of gold cluster ions by laser	
desorption/ionization Fourier-transform ion cyclotron resonance mass spectrometry	224 (1994) 589

Kishi, R., A. Nakajima, S. Iwata and K. Kaya, Theoretical study of silicon-sodium binary	
clusters. Geometrical and electronic structures of $Si_nNa$ $(n=1-7)$	224 (1994) 200
Kitaura, K., see C. Muguruma	224 (1994) 139
Klatt, M., I.W.M. Smith, R.P. Tuckett and G.N. Ward, State-specific rate constants for the relaxation of $O_2(X^3\Sigma_g^-)$ from vibrational levels $v=8$ to 11 by collisions with $NO_2$ and	d
O <sub>2</sub>	224 (1994) 253
Kliger, D.S., see D. Che	224 (1994) 145
Klöpperpieper, A., see A. Pöppl	224 (1994) 233
Klos, H., I. Rystau, W. Schütz, B. Gotschy, A. Skiebe and A. Hirsch, Doping of C <sub>60</sub> with tertiary amines: TDAE, DBU, DBN. A comparative study	n 224 (1994) 333
Koga, N., see C. Muguruma	224 (1994) 139
Köhler, K.F., see A. Höllwarth	224 (1994) 603
Kolbert, A.C. and S.L. Gann, Variable-effective-field cross polarization. An approach to	0
broadband Hartmann-Hahn matching in MAS NMR	224 (1994) 86
Kolos, W., see K.T. Tang	224 (1994) 476
Krieger, C., see K. Mukai	224 (1994) 569
Kruck, P., see T. Höfer	224 (1994) 411
Kumar, S.V.K., N. Sathyamurthy, S. Manogaran and S.K. Mitra, Possible reaction of atomi nitrogen with $SF_x$ ( $x=1-5$ ) and $CF_x$ ( $x=1-3$ ) fragments from $N_2$ - $SF_6$ and $N_2$ - $CF$	
discharges (Chem. Phys. Letters 222 (1994) 465)	224 (1994) 424
Kumaran, S.S., see J.H. Kiefer	224 (1994) 51
Kuwata, K., see H. Takahashi	224 (1994) 445
Larzillière, M., see M. Chafik El Idrissi	224 (1994) 260
Lee, J., see H.S. Kim	224 (1994) 589
Lee, S.K., H. Ozeki, S. Saito and S. Yamamoto, Submillimeter wave spectrum of the SH	;
ion. $J=2-1$ , $K=0$ and 1 transitions	224 (1994) 21
Lee, Y.T., see S. North	224 (1994) 38
Lemoine, D., Discrete cylindrical and spherical Bessel transforms in non-direct product representations	224 (1994) 483
Lermé, J., see M. Pellarin	224 (1994) 338
Letokhov, V.S., see V.M. Farztdinov	224 (1994) 493
Li, Q., C. Chen, X. Ma, X. Li and G. Shen, Energy transfer reactions of the He(3 2S) ator	
with methane and chloromethane molecules under beam conditions	224 (1994) 225
Li, W., see M. Wu	224 (1994) 557
Li, X., see Q. Li	224 (1994) 225
Li, X., P. Piecuch and J. Paldus, A study of <sup>1</sup> A <sub>1</sub> - <sup>3</sup> B <sub>1</sub> separation in CH <sub>2</sub> using orthogonall	ly
spin-adapted state-universal and state-specific coupled-cluster methods	224 (1994) 267
Liu, X., KK. lu and J.K. Thomas, Direct ionization of zeolites by far-UV light following	IZ .
electron trapping by charge balancing cation clusters	224 (1994) 31
Lou, L. and P. Nordlander, An endohedral metallocarbohedrene C@TigC12	224 (1994) 439
Lozovik, Yu.E., see V.M. Farztdinov	224 (1994) 493
Lukhezo, M., see L.J. Dunne	224 (1994) 581
Lund, A., see K. Fagerström	224 (1994) 43
Ma, X., see Q. Li	224 (1994) 225
Mahmoud, G., see K. Fagerström	224 (1994) 43

Mähnert, J., see KM. Weitzel	224 (1994) 371
Maier, J.P., see A.A. Friedmann	224 (1994) 16
Manogaran, S., see S.V.K. Kumar	224 (1994) 424
Marshall, A.G., see H.S. Kim	224 (1994) 589
Maxton, P.M., see M.W. Schaeffer	224 (1994) 544
Mayer, I., A. Vibók and P. Valiron, A full-CI investigation into the BSSE problem	224 (1994) 166
McGibbon, G.A., see P.C. Burgers	224 (1994) 539
McMullen, T., see M. Rabinowitz	224 (1994) 489
Meerts, W.L., see G. Berden	224 (1994) 405
Melinon, P., see M. Pellarin	224 (1994) 338
Menon, M., see A.M. Rao	224 (1994) 106
Mikhelashvili, M.S., Charge transfer in solid fractal systems. Low concentration of acceptors	224 (1994) 459
Mitra, S.K., see S.V.K. Kumar	224 (1994) 424
Miura, Y., see M. Terazima	224 (1994) 95
Mori, A., see H. Sekiya	224 (1994) 563
Morokuma, K., see C. Muguruma	224 (1994) 139
Moszynski, R., see K.T. Tang	224 (1994) 476
Mudipalli, P.S., see J.H. Kiefer	224 (1994) 51
Muguruma, C., N. Koga, K. Kitaura and K. Morokuma, Potential energy surface for the	224 (1774) 31
ligand substitution reaction of the square-planar platinum(II) complex. Essential role	
of the repulsive three-body effect	224 (1994) 139
Mukai, K., K. Inoue, N. Achiwa, J.B. Jamali, C. Krieger and F.A. Neugebauer, Magnetic-	(.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
properties of 1,4-dihydro-1,2,4-benzotriazin-4-yl radicals	224 (1994) 569
Murakami, J., see Y. Tai	224 (1994) 118
Nagy, Z., see W. Baumann	224 (1004) 517
	224 (1994) 517 224 (1994) 81
Nakabayashi, S., see J. Ushizaki	
Nakajima, A., see R. Kishi	224 (1994) 200
Nakajima, T., see H. Sekiya	224 (1994) 563 224 (1994) 445
Nakano, M., see H. Takahashi Necoechea, W.C. and D.G. Truhlar, A converged full-dimensional calculation of the vibra-	224 (1994) 443
	224 (1994) 297
tional energy levels of (HF) <sub>2</sub> Neugebauer, F.A., see K. Mukai	224 (1994) 569
Nilsson, L., see J. Norberg	
	224 (1994) 219 224 (1994) 563
Nishimura, Y., see H. Sekiya	
Nizkorodov, S., see A.A. Friedmann	224 (1994) 16 224 (1994) 219
Norberg, J. and L. Nilsson, High-pressure molecular dynamics of a nucleic acid fragment	224 (1994) 439
Nordlander, P., see L. Lou North, S., D.A. Blank and Y.T. Lee, Determination of the barrier height to CH <sub>3</sub> CO	224 (1994) 439
dissociation	224 (1994) 38
Novikov, S.V. and A.V. Vannikov, Concentration dependence of charge carrier mobility in	
disordered organic matrices. Comparison of a small polaron hopping model with a di- pole trap model	224 (1994) 501
Ohara, K., see M. Terazima	224 (1994) 95
Ohba, Y., see S. Ohkoshi	224 (1994) 313
Ohkoshi, S., S. Yamauchi, Y. Ohba and M. Iwaizumi, A time-resolved electron nuclear	-24 (1774) 313
double resonance (ENDOR) study of the photo-excited triplet state	224 (1994) 313

Ohoyama, H., see H. Takahashi	224 (1994) 445
Ohta, N., see H. Tachikawa	224 (1994) 465
Okamoto, M., see K.K. Pandey	224 (1994) 417
Orlandi, G., G. Poggi and F. Zerbetto, The circular dichroism spectrum of C76. A quantum	()
chemical study	224 (1994) 113
Orlinski, S., see A. Pöppl	224 (1994) 233
Osaki, T., see Y. Tai	224 (1994) 118
Ottinger, Ch. and A.F. Vilesov, Crossed beam collisional excitation of pyrimidine from the	224 (1774) 110
laser-prepared T <sub>1</sub> state into the S <sub>1</sub> state	224 (1994) 24
Ozeki, H., see S.K. Lee	224 (1994) 21
Outer, and the distribution of the second	221 (1221) 21
Paillard, V., see M. Pellarin	224 (1994) 338
Paldus, J., see X. Li	224 (1994) 267
Pandey, K.K., M. Okamoto and S. Hirayama, A bell-shape dependence on solvent viscosity	()
of the fluorescence quenching of 9,10-dicyanoanthracene by oxygen in solution	224 (1994) 417
Pellarin, M., E. Cottancin, J. Lermé, J.L. Vialle, J.P. Wolf, M. Broyer, V. Paillard, V. Dupuis,	,
A. Perez, J.P. Perez, J. Tuaillon and P. Melinon, High-efficiency cluster laser vaporiza-	
tion sources based on Ti:sapphire lasers	224 (1994) 338
Penno, M., see KM. Weitzel	224 (1994) 371
Perez, A., see M. Pellarin	224 (1994) 338
Perez, J.J., see I. Alkorta	224 (1994) 160
Perez, J.P., see M. Pellarin	224 (1994) 338
Peterson, J.R., see W. Xu	224 (1994) 56
Phillips, R.C., see Y.F. Zhu	224 (1994) 7
Philp, R.B., see G.C. Kalogeros	224 (1994) 399
Piecuch, P., see X. Li	224 (1994) 267
Pierloot, K., see L.G. Vanquickenborne	224 (1994) 207
Poggi, G., see G. Orlandi	224 (1994) 113
Pöppl, A., G. Völkel, J. Hoentsch, S. Orlinski and A. Klöpperpieper, Electron spin relaxa-	224 (1994) 113
tion of the PO3- radical in ferroelectric betaine phosphite and in the proton glass betaine	
phosphate/betaine phosphite	224 (1994) 233
Pshenichnikov, M.S., see W.P. de Boeij	224 (1994) 243
Pullerits, T., see M. Chachisvilis	224 (1994) 345
Pullerits, T., M. Chachisvilis, M.R. Jones, C.N. Hunter and V. Sundström, Exciton dy-	
namics in the light-harvesting complexes of Rhodobacter sphaeroides	224 (1994) 355
Qiu, L., see P. Yuan	224 (1994) 101
Rabinowitz, M. and T. McMullen, Predictions of pressure-induced transition temperature	
increase for a variety of high-temperature superconductors	224 (1004) 400
Rao, A.M., M. Menon, KA. Wang, P.C. Eklund, K.R. Subbaswamy, D.S. Cornett,	224 (1994) 489
	224 (1004) 106
M.A. Duncan and I.J. Amster, Photoinduced polymerization of solid C <sub>70</sub> films	224 (1994) 106
Ratajczak, E., see K. Fagerström Raynes, W.T., see M. Grayson	224 (1994) 43
	224 (1994) 602
Reis, H., see W. Baumann	224 (1994) 517
Reuben, B.G., see L.J. Dunne	224 (1994) 581
Rocca, D., see A. De Santis	224 (1994) 283

Roney, A., see M. Chafik El Idrissi	224 (1994) 260
Rystau, I., see H. Klos	224 (1994) 333
Saito, S., see S.K. Lee	224 (1994) 21
Salahub, D.R., see D. Wei	224 (1994) 291
Sathyamurthy, N., see S.V.K. Kumar	224 (1994) 424
Schaeffer, M.W., P.M. Maxton and P.M. Felker, The size dependence of ground-state co- lective vibrational modes in molecular clusters. Benzene dimer through pentamer	
Schelly, Z.A., see H.M. Chen	224 (1994) 61, 69
Scherzer, W.G., see C. Alt	224 (1994) 366
Schlag, E.W., see C. Alt	224 (1994) 366
Schosseler, P., Th. Wacker and A. Schweiger, Pulsed ELDOR detected NMR	224 (1994) 319
Schütz, W., see H. Klos	224 (1994) 333
Schweiger, A., see P. Schosseler	224 (1994) 319
Seetula, J.A., I.J. Kalinovski, I.R. Slagle and D. Gutman, Kinetics of the reaction of CH <sub>2</sub> O	
radical with oxygen atoms	224 (1994) 533
Sekiya, H., H. Hamabe, T. Nakajima, A. Mori, H. Takeshita and Y. Nishimura, The effe	
of intermolecular interactions on proton tunneling in the tropolone– $(CH_4)_1$ and 5-chl	
rotropolone-(CH <sub>4</sub> ) <sub>1</sub> van der Waals complexes	224 (1994) 563
Selzie, H.L., see C. Alt	224 (1994) 366
Sewell, T.D., see Y. Guo	224 (1994) 470
Shapiro, D.B., see D. Che	224 (1994) 145
Shen, G., see Q. Li	224 (1994) 225
Shen, J., see P. Yuan	224 (1994) 101
Shen, Y., see P. Yuan	224 (1994) 101
Skiebe, A., see H. Klos	224 (1994) 333
Slagle, I.R., see J.A. Seetula	224 (1994) 533
Slenczka, A., B. Friedrich and D. Herschbach, Determination of the electric dipole m	
ment of ICl(B <sup>3</sup> Π <sub>0</sub> ) from pendular spectra	224 (1994) 238
Smith, I.W.M., see M. Klatt	224 (1994) 253
Spadacini, R., see R. Ferrando	224 (1994) 308
Stegmann, R., see A. Höllwarth	224 (1994) 603
Stock, G., Classical description of ultrafast internal conversion processes. The benzene catio	
Subbaswamy, K.R., see A.M. Rao	224 (1994) 106
Sundström, V., see M. Chachisvilis	224 (1994) 345
Sundström, V., see T. Pullerits	224 (1994) 355
Suzuki, T., see K. Tonokura	224 (1994) 1
Tachikawa, H. and N. Ohta, Photodissociation mechanism of acetaldehyde. RRK ar	
RRKM study	224 (1994) 465
Tai, Y., K. Inukai, T. Osaki, M. Tazawa, J. Murakami, S. Tanemura and Y. Ando, Identification of compounds produced through contact arc vaporization of graphite under Classics.	14
ambience	224 (1994) 118
Takahashi, H., H. Ohoyama, T. Kasai, K. Kuwata, M. Nakano and K. Yamaguchi, A th oretical study on the electron-exchange mechanism in the CF <sub>3</sub> H+Ar( <sup>3</sup> P)→CF <sub>3</sub> +H+/	Ar
reaction	224 (1994) 445
Takeshita, H., see H. Sekiya	224 (1994) 563

Tanemura, S., see Y. Tai	224 (1994) 118
Tang, K.T., J.P. Toennies, C.L. Yiu, T. Ćwiok, B. Jeziorski, W. Kołos and R. Moszynski,	
A perturbation calculation of the ground state $(X^{1}\Sigma_{\mathbf{z}}^{+})$ energy of the hydrogen molecule	224 (1994) 476
Tannor, D.J., see D.E. Weeks	224 (1994) 451
Tazawa, M., see Y. Tai	224 (1994) 118
Terazima, M., Y. Miura, K. Ohara and N. Hirota, CIDEP measurement in the L band mi-	
crowave frequency region. Hyperfine-independent versus hyperfine-dependent mecha-	
nisms in the ST_ mixing of acetone in 2-propanol	224 (1994) 95
Terlouw, J.K., see P.C. Burgers	224 (1994) 539
Thomas, J.K., see X. Liu	224 (1994) 31
Thompson, D.L., see Y. Guo	224 (1994) 470
Toennies, J.P., see K.T. Tang	224 (1994) 476
Tommei, G.E., see R. Ferrando	224 (1994) 308
Tonokura, K. and T. Suzuki, Slicing photofragment spatial distribution by laser sheet ionization	224 (1994) 1
	224 (1994) 297
Truhlar, D.G., see W.C. Necoechea Tuaillon, J., see M. Pellarin	224 (1994) 297
	224 (1994) 338
Tuckett, R.P., see M. Klatt	224 (1994) 233
Uosaki, K., see J. Ushizaki	224 (1994) 81
Ushizaki, J., S. Nakabayashi and K. Uosaki, Photoelectrochemical reactivity of a sulfide	***************************************
treated p-GaAs electrode	224 (1994) 81
Valiron, P., see I. Mayer	224 (1994) 166
Van der Meulen, P., see H. Zhang	224 (1994) 551
Vannikov, A.V., see S.V. Novikov	224 (1994) 501
Vanquickenborne, L.G., K. Pierloot and E. Duyvejonck, Theoretical analysis of the ligand	()
field spectrum of K <sub>3</sub> CoF <sub>6</sub>	224 (1994) 207
Veldkamp, A., see A. Höllwarth	224 (1994) 603
Vialle, J.L., see M. Pellarin	224 (1994) 338
Vibók, Á., see I. Mayer	224 (1994) 166
Vilesov, A.F., see Ch. Ottinger	224 (1994) 24
Völkel, G., see A. Pöppl	224 (1994) 233
Wacker, Th., see P. Schosseler	224 (1994) 319
Wang, F., see M. Wu	224 (1994) 557
Wang, KA., see A.M. Rao	224 (1994) 106
Wang, YS., see N.F. Zhou	224 (1994) 595
Ward, G.N., see M. Klatt	224 (1994) 253
Weeks, D.E. and D.J. Tannor, A time-dependent formulation of the scattering matrix for	(,
the collinear reaction $H+H_2(v)\rightarrow H_2(v')+H$	224 (1994) 451
Wei, D. and D.R. Salahub, A combined density functional and molecular dynamics simu-	221 (1771) 101
lation of a quantum water molecule in aqueous solution	224 (1994) 291
Weitzel, KM., J. Mähnert and M. Penno, ZEKE-PEPICO investigations of dissociation	221 (1771) 271
energies in ionic reactions	224 (1994) 371
Weller, H., see P. Hoyer	224 (1994) 75
Wenzel, K.B., Rapidly converging high-precision He ground state energies through the use	(.,,,, 13
of systematically constructed Gaussian geminals	224 (1994) 155
or systematically constituented Gaussian gentinals	224 (1774) 133

Wiersma, D.A., see W.P. de Boeij	224 (1994) 243
Wimperis, S., see S.P. Brown	224 (1994) 508
Wolf, J.P., see M. Pellarin	224 (1994) 338
Wong, P.T.T., see G.C. Kalogeros	224 (1994) 399
Wood, T.D., see H.S. Kim	224 (1994) 589
Wu, M., W. Gu, W. Li, X. Zhu, F. Wang and S. Zhao, Preparation and characterization of ultrafine zinc sulfide particles of quantum confinement	224 (1994) 557
Xia, Z., see P. Yuan	224 (1994) 101
Xu, H., see P. Yuan	224 (1994) 101
Xu, W., G. Chen and J.R. Peterson, The blue up-conversion emission of glass ceramics doped	
with Er <sup>3+</sup> ion upon green line (19436 cm <sup>-1</sup> ) excitation	224 (1994) 56
Yamaguchi, K., see H. Takahashi	224 (1994) 445
Yamamoto, S., see S.K. Lee	224 (1994) 21
Yamauchi, S., see S. Ohkoshi	224 (1994) 313
Yiu, C.L., see K.T. Tang	224 (1994) 476
Yuan, P., Z. Xia, Y.H. Zou, L. Qiu, J. Shen, Y. Shen and H. Xu, Ultrafast optical Kerr effect of phthalocyanine	224 (1994) 101
7-1 F C O.1 F	224 (1004) 112
Zerbetto, F., see G. Orlandi	224 (1994) 113
Zerner, M.C., see M. Karelson	224 (1994) 213
Zhang, H., A.M. Jonkman, P. van der Meulen and M. Glasbeek, Femtosecond studies of	********
charge separation in photo-excited DCM in liquid solution	224 (1994) 551
Zhao, S., see M. Wu	224 (1994) 557
Zhou, N.F., LW. Chen, YS. Wang and JS. Jiang, Magnetization and Mössbauer spec-	224 (1004) 202
troscopic study of adsorption of oxalic acid on α-Fe <sub>2</sub> O <sub>3</sub> from solutions	224 (1994) 595
Zhu, X., see M. Wu	224 (1994) 557
Zhu, Y.F., S.L. Allman, R.C. Phillips, W.R. Garrett and C.H. Chen, Rydberg states of acetylene clusters $(C_2H_2)_2$ and $(C_2H_2)_3$ resolved by two-photon resonant ionization	
spectroscopy	224 (1994) 7
Zingher, E., see W. Drescher	224 (1994) 391
Ziurys, L.M., see M.A. Anderson	224 (1994) 381
Zou, Y.H., see P. Yuan	224 (1994) 101